

QPD P 3X1,5 4-9 BK - Connector



1419424

<https://www.phoenixcontact.com/us/products/1419424>

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Connector, connection method: IDC connection, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 5 mm ... 7 mm and 7 mm ... 9.5 mm, connection labeling: 1, 2, 3

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Easy maintenance – the connectors enable fast device replacement and preassembled cables simplify startup

Commercial data

Item number	1419424
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	AF6BAA
GTIN	4055626173030
Weight per piece (including packing)	39.6 g
Weight per piece (excluding packing)	38.2 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Installation connector
Product family	QPD
Type	QPD 3x1,5
Number of positions	3
Position marking	1, 2, 3
Number of connections	3
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	17.5 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal voltage U_N	690 V
Nominal current I_N	17.5 A

Connection data

Connection technology

Connection method On the field side	IDC connection
Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Conductor cross-section flexibel	0.5 mm ² ... 1.5 mm ²
Conductor cross-section solid	0.5 mm ² ... 1.5 mm ²
Connection cross section AWG	20 ... 16
Tightening torque Union nut	8 Nm
Tightening torque Locking nut	5 Nm

Dimensions

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Dimensional drawing	
Width	25 mm
Height	25 mm
Length	70.8 mm
Diameter	25 mm

Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Contact	Cu
Material Contact surface	silver-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC/PE/TPE/rubber

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	5 mm ... 7 mm
	7 mm ... 9.5 mm
Wire diameter including insulation	1.6 mm ... 3 mm
Position marking	1, 2, 3
Material wire insulation	PVC/PE/TPE/rubber

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

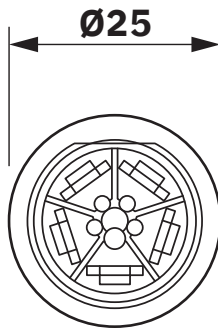
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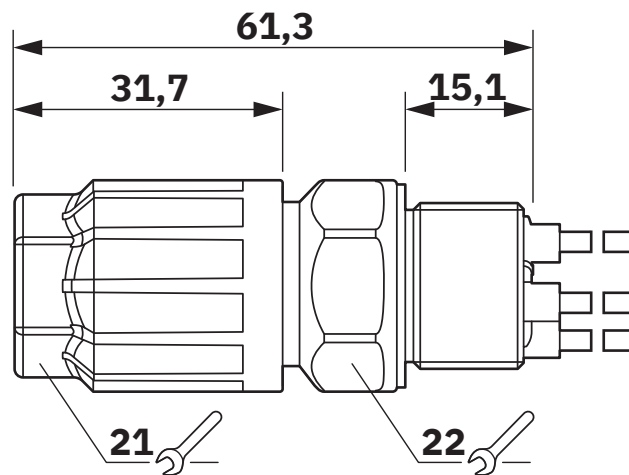
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Drawings



Dimensional drawing



Dimensional drawing

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Approvals

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 UL Listed Approval ID: E468743				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	8 A	- 16	-

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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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	600 V	8 A	- 16	-

 DNV GL Approval ID: TAE00003J5				
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Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 10.0	EC002560
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Triphenyl phosphate(CAS: 115-86-6)
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